

Product Information

MemDX™ Membrane Protein Human EPHA2 (EPH receptor A2) for Antibody Discovery

Cat. No.: **MP0920J**

This product is for research use only and is not intended for diagnostic use.

This product is a 108.1 kDa Human EPHA2 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

EPHA2

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

108.1 kDa

TMD

1

Sequence

MELQAARACFALLWGCALAAAAAQQGKEVVLLDFAAAGGELGWLTHPYGKGWDLMQNIMNDMPIYMYSVC
NVMSGDQDNWLRTNWWYRGEAERIFIELKFTVRDCNSFPGGASSCKETFNLYYAESLDYGTNFQKRLFT
KIDTIAPDEITVSSDFEARHVKLNVEERSVGPLTRKGFYLAQDIGACVALLSVRVYYKKCELLQGLAH
FPETIAGSDAPSLATVAGTCVDHAVVPPGGEPRMHCAVDGEWLVPIGQCLCQAGYEKVEDACQACSPGF
FKFEASESPCLECPEHTLPSPEGATSCECEEGFFRAPQDPASMPCTRPPSAPHYLTAVGMGAKVELRWTP
PQDSGGREDIVYSVTCEQCWPESGECGPCEASVRYSEPPHGLTRTSVTVDLEPHMNYTFTVEARNGVSG
LVTSRSFRTASVSINQTEPPKVRLEGRSTTSLSVSWSIPPPQQSRVWKYEVTYRKKGDSNSYNVRRTEGF
SVTLDDLAPDTTYLVQVQALTQEGQGAGSKVHEFQTLSPGSGNLAVIGGVAVGVVLLLVLAGVGFFIHR
RRKNQRRARQSPEDVYFSKSEQLKPLKTYVDPHTYEDPNQAVLKFTTEIHPSCVTRQKVIGAGEFGEVYKG
MLKTSSGKKEVPVAIKTLKAGYTEKQRVDFLGEAGIMGQFSSHNIIRLEGVISKYKPMMIITEYMENGAL
DKFLREKDGESVLQLVGMLRGIAAGMKYLANMNYVHRDLAARNILVNSNLVCKVSDFGLSRVLEDDPEA
TYTTSGGKIPIRWTAPEAISYRKFTSASDVWSFGIVMWEVMTYGERPYWELSNHEVMKAINDFRLPTPM
DCPSAIYQLMMQCWQGERARRPKFADIVSILDKLIRAPDSLKTADFDPRVSIRLPSTSGSEGVPFRTVS
EWLESIKMQQYTEHFMAAGYTAIEKVVMQMTNDDIKRIGVRLPGHQKRIAYSLLGLKDQVNTVGIP

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

EPHA2

Full Name

EPH receptor A2

Introduction

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.

Alternative Names

ECK; CTPA; ARCC2; CTPP1; CTRCT6

Gene ID

[1969](#)

UniProt ID

[P29317](#)